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- (71) Applicant (for all designated States except US): CIBA SPECIALTY CHEMICALS HOLDING INC. [CH/CH]; Klybeckstrasse 141, CH-4057 Basel (CH).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): MACOR, Giorgio [IT/IT]; Via Bertacchi, 5, I-40037 Sasso Marconi (BO) (IT). TELESCA, Rosanna [IT/IT]; Viale Nuovo, 26/2, I-40037 Sasso Marconi (BO) (IT). RUIZ, Eduardo [ES/CH]; Schönaustrasse 60/4, CH-4058 Basel (CH). ILG, Stephan [CH/CH]; Moosmattstrasse 93, CH-4304 Giebenach (CH).
- (74) Common Representative: CIBA SPECIALTY CHEM-ICALS HOLDING INC.; Patent Department, Klybeckstrasse 141, CH-4057 Basel (CH).

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(54) Title: PROCESS FOR THE PRODUCTION OF STRONGLY ADHERENT COATINGS

(57) Abstract: The invention relates to a process and to the corresponding apparatus for the production of strongly adherent coatings on an inorganic or organic substrate, wherein in a first step a) a low-temperature plasma, a corona discharge or a flame is caused to act on the inorganic or organic substrate, in a second step b) one or more photoinitiators or mixtures of photoinitiators with monomers, containing at least one ethylenically unsaturated group, or solutions, suspensions or emulsions of the afore-mentioned substances, are applied at normal pressure to the inorganic or organic substrate, in a third step c) using suitable methods those afore-mentioned substances are dried and/or irradiated with electromagnetic waves and, optionally, in a fourth step d) on the substrate so pretreated is deposited a metal, half-metal or metal oxide.

